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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/528,078	08/30/2005	Toshihiko Ura	061352-0094	2535	
20277 7	590 09/29/2006	EXAMINER			
	TT WILL & EMERY I	TSIDULKO, MARK			
600 13TH STR WASHINGTO	N, DC 20005-3096	ART UNIT	PAPER NUMBER		
			2875		

Please find below and/or attached an Office communication concerning this application or proceeding.

·			Application No.		Applicant(s)			
			10/528,078		URA, TOSHIHIKO			
Office Action Summary			Examiner		Art Unit			
			Mark Tsidulko		2875	<u> </u>		
Period fo	The MAILING DATE of this communi r Reply	cation appe	ars on the cover sheet	with the co	rrespondence ad	dress		
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE M. Is ions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this common period for reply is specified above, the maximum state to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	AILING DAT of 37 CFR 1.136 unication. tutory period will will, by statute, ca	TE OF THIS COMMUN (a). In no event, however, may a apply and will expire SIX (6) MO ause the application to become	NICATION. a reply be time ONTHS from th ABANDONED	ly filed e mailing date of this co (35 U.S.C. § 133).			
Status								
1)🖂	Responsive to communication(s) file	d on <i>30 Aud</i>	aust 2005.					
·	This action is FINAL . 2b)⊠ This action is non-final.							
′=								
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🖂	☑ Claim(s) <i>1-5</i> is/are pending in the application.							
.—	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
6)⊠	Claim(s) <u>1-5</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
8)□	Claim(s) are subject to restrict	tion and/or e	election requirement.					
Applicati	on Papers							
9)🖾 -	The specification is objected to by the	Examiner.						
10)🛛	The drawing(s) filed on 17 March 200	<u> 5</u> is/are: a)	⊠ accepted or b)□ ol	bjected to	by the Examiner	•		
	Applicant may not request that any object	tion to the dr	awing(s) be held in abeya	ance. See	37 CFR 1.85(a).			
	Replacement drawing sheet(s) including	the correction	n is required if the drawin	ng(s) is obje	cted to. See 37 Cf	FR 1.121(d).		
11) 🔲 -	The oath or declaration is objected to	by the Exar	miner. Note the attache	ed Office A	ction or form PT	O-152.		
Priority u	nder 35 U.S.C. § 119		•					
	Acknowledgment is made of a claim f ☐ All b)	or foreign p	riority under 35 U.S.C.	§ 119(a)-((d) or (f).			
	1. Certified copies of the priority of	documents h	have been received.					
	2. Certified copies of the priority of	documents h	have been received in	Application	n No			
	3. Copies of the certified copies of	of the priority	y documents have bee	n received	in this National	Stage		
	application from the Internation	•	• • • •					
* S	ee the attached detailed Office action	for a list of	the certified copies no	ot received				
Attachma=1	(6)					13		
Attachment 1\⊠ Notice	(s) e of References Cited (PTO-892)		4) Interview	/ Summan/ /E	PTO-413)			
	e of Draftsperson's Patent Drawing Review (P	ГО-948)	Paper No	o(s)/Mail Date				
	nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date		5) Notice of Other:		ent Application			
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DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities: it is unclear what does Applicant intend by "front side flame FC" (page 11, lines 3 and 6).

Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakayoshi et al. (US 2006/0152944) in view of Lin (US 2005/0259443) and Wu (US 2005/0047111).

Referring to Claim 1 Nakayoshi et al. disclose (Figs.1, 2) a backlight device having a light guide plate [18] a light source [22] and housing including a front frame [14] and rear frame [26].

Nakayoshi et al. disclose the instant claimed invention except for a reflector enclosing a light source and an opening in the housing.

Lin discloses (Fig.1) a display device having a reflector [18] enclosing a light source [16]. This structure allows directing all light rays to the light guide.

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Wu discloses (Fig.5) a hole [265b] provided in the frame [260] for heat dissipation (page 2, [0025]). It is understood, that heat-dissipating holes could be located at any desired place of the housing, depending on necessity and structure of the device.

Referring to Claims 2, 3 Nakayoshi et al. (Fig.2) a convex portion between the outwardly bending flange (short flange having hole) and inwardly bending flange (longer flange at the center of the side of the frame [14]), forming step between these two flanges.

Referring to Claim 3 Nakayoshi et al. (Fig.2)

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to provide the device of Nakayoshi et al. having reflector, as taught by Lin, in order to prevent leakage of the light and provide heat dissipating opening, as taught by Wu, in order to prevent overheating of the device.

Claims 4, 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakayoshi et al. (US 2006/0152944) in view of Lin (US 2005/0259443) and Buelow et al. (US 2004/0184284).

Nakayoshi et al. disclose (Figs.1, 2) a LCD panel [10] located on a front of a lighting unit having a light guide plate [18] a light source [22] and housing including a front frame [14] and rear frame [26].

Nakayoshi et al. disclose the instant claimed invention except for a reflector enclosing a light source and insulative thermally conductive material of the housing.

Lin discloses (Fig.1) a display device having a reflector [18] enclosing a light source [16]. This structure allows directing all light rays to the light guide.

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Buelow et al. disclose (Fig.1) a lighting device having housing [14] made of thermally conductive plastic (page 2, [0022]), which, as well known in the art, is an electric insulative material.

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to provide the device of Nakayoshi et al. having reflector, as taught by Lin, in order to prevent leakage of the light, and provide frame of the device of Nakayoshi et al. made of thermally conductive plastic, in order to prevent the user from electrical shock and to prevent overheating of the device

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Tsidulko whose telephone number is (571)272-2384. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300 for all communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M.T.

September 14, 2006

Sandra O'Shea
Supervisory Patent Examiner
Technology Center 2800